BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: *Estimate for Improvements to Roads and Footpath Maintenance in Ward No. 11 (Kuvempunagara).*

Job Code: 011-20-000111

P Code: P-3296 14th Finance Works

Estimated Cost: Rs. 20.00 Lakh(s)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: **Estimate for Improvements to Roads and Footpath Maintenance in Ward No. 11 (Kuvempunagara).**

011-20-000111		P-3296				Est Cost Rs.		2000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 143 / Item No. 19.1, PWD SR 2018-19**	Cum							
			2	130.00	0.45	0.30	35.10		
			2	120.00	0.45	0.30	32.40		
	Culvert		1	6.00	2.00	1.20	14.40		
	Basic Rate	130.00					**81.90**	250.24	**20495.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		236.08							
	Area Weightage @6%	14.16							
	Total	**250.24**							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 27 / Item No. 5.33 PWD SR 2018-19**	Sqm							
			2	30.00		1.35	81.00		
			2	120.00		1.35	324.00		
							405.00		
	Deduct 20% Damaged Slabs						76.95		
	Basic Rate	105.00					**328.05**	111.30	**36512.00**
	Area Weightage @ 6%	6.30							
	Total	**111.30**							
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 27 / Item No. 5.31.1 PWD SR 2018-19**	Sqm							
	Deduct 25% Damaged Slabs			Vide Item No. 2			76.95		
	Basic Rate	700.00					**76.95**	742.00	**57097.00**
	Area Weightage @ 6%	42.00							
	Total	**742.00**							
4	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.3 of PWD SR 2018-19**	Cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	For Culverts		1	6.00	1.80	0.15	1.62		
	Basic Rate	5102.00					**1.62**	5408.12	**8761.00**
	Area Weightage @ 6%	306.12							
	Total	**5408.12**							
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 25 / Item No. 5.9, PWD SR 2018-19**	Cum							
	For Culverts		2	6.00	0.60	0.90	6.48		
	Basic Rate	5483.00					**6.48**	5811.98	**37662.00**
	Area Weightage @ 6%	328.98							
	Total	**5811.98**							
6	KSRB 15.1.3 Providing **ruled pointing 20 mm deep** to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 115 / Item No. 15.3, PWD SR 2018-19**	Sqm							
	For Culverts		2	6.00		0.90	10.80		
	Basic Rate	142.00					**10.80**	150.52	**1626.00**
	Area Weightage @ 6%	8.52							
	Total	**150.52**							
7	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 27 / Item No. 5.26.2, PWD SR 2018-19**	Sqm							
	Raising of Drain		4	130.00		0.40	208.00		
			4	120.00		0.40	192.00		
	Basic Rate	924.00					**400.00**	979.44	**391776.00**
	Area Weightage @ 6%	55.44							
	Total	**979.44**							
8	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.6 PWD SR 2018-19**	Cum							
			4	130.00	0.20	0.10	10.40		
			4	120.00	0.20	0.10	9.60		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Culvert Coping		1	6.00	1.50	0.10	0.90		
	Ramp		2	6.00	1.00	0.15	1.80		
	Basic Rate	5422.00					**22.70**	5747.32	**130464.00**
	Area Weightage @ 6%	325.32							
	Total	**5747.32**							
9	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge - Data rate	Sqm							
	RCC Drain Slab		2	130.00	0.90		234.00		
			2	120.00	0.90		216.00		
							450.00	2337.00	**1051650.00**
10	Providing **precast slab of 250 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm							
	Culvert Deck Slab		1	6.00	1.50		9.00		
							9.00	5418.00	**48762.00**
	Sub Total								**1784805.00**
	GST @ 12%								**214177.00**
	Add for unforseen and rounding off	L/S							**1018.00**
								Total	**2000000.00**
	Rupees Twenty Lakh(s) Only								

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2018-19.
3 This work included under 2019-20 P-3296 14th Finance Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval
Accorded For Rs 20. Wlakhsonly
Head of A/C. P3296
CER NO : 270 Dt: 27.03.2020

TA CE (YNK),

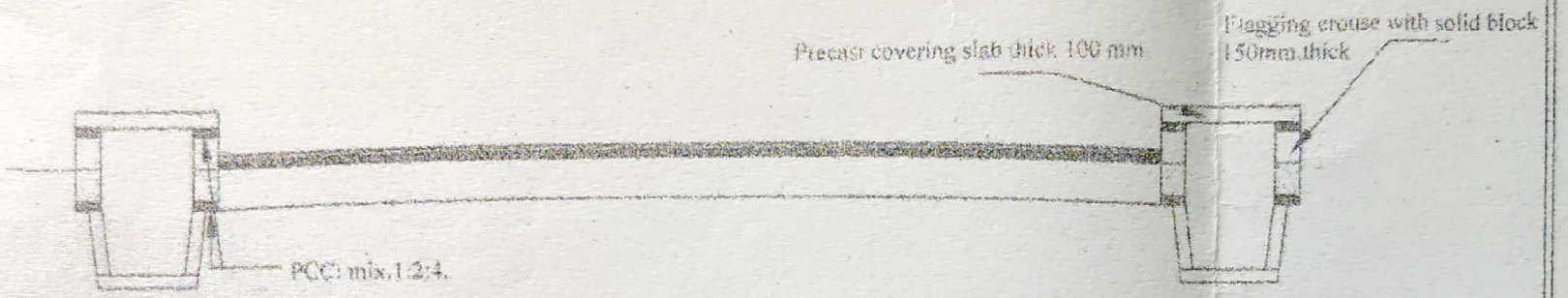
TECHNICAL SANCTION
Accorded For Rs. 20.00 Lakhs only
Head of A/c. P3296.
Div. Ref. No. 99 Date 30/3/2020
AE 30/03
EE(BTP) 30/3

Name of Work: Improvements to Roads and Footpath Maintenance in Ward No. 11 (Kuvempunagara).

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97



CROSS SECTION OF SOLID BLOCK FLAGGING COURCE OVER B S SLAB DRAIN.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

152 - BYATARAYANAPURA AC
WARD NAME : 11 - KUVEMPU NAGAR

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

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Bruhat Bangalore Mahanagara Palike

BBMP ENGINEERING DEPARTMENT

Road Inventory Form

General

Zone	Ward No.	Ward Name
YELAHANKA	11	Kuvempu Nagar
Street ID	**Street Name**	**Significant Landmark**
W0450	NA	VALMIKI NAGAR
Unique Road No.	**Length of full Road(m)**	
11-W0450-13652	341	

Road Details

Road From	Road To
W0621	W0523
Type of Road	**Other Road Type**
Local	

Chainage at point (m)	Measured Width (m)	Existing Surface	Other Existing Surface	Remarks
0.00	5.50		MUD	
365.00	5.50		MUD	

Footpath

☐ Left

chainage at the point(m)	Type of Footpath	Other Footpath Type	Length (m)	Average Width(m)	No of Shoulder Drain	Kerb Chainages (m)	Remarks
	No Footpath		0.00000	0.00000	0	0.00000	

☐ Right

chainage at the point(m)	Type of Footpath	Other Footpath Type	Length (m)	Average Width(m)	No of Shoulder Drain	Kerb Chainages (m)	Remarks
	No Footpath		0.00000	0.00000	0	0.00000	

Assistant Executive Engineer
Jyaranyapura Sub Division
BBMP, Bangalore - 97

Drain

Particulars of side Drains

☐ Left

Drain Type	Other Drain Type	Construction Type	Other Construction Type	Flow Direction
Open		Others	SSM & BS SLAB	Others

Other Flow Direction Type	Length (m)	Average Width(m)
BOTH DIRECTIONS	365.00	0.50

☐ Right

Drain Type	Other Drain Type	Construction Type	Other Construction Type	Flow Direction
Open		Others	SSM & BS SLAB	Others

Other Flow Direction Type	Length (m)	Average Width(m)
BOTH DIRECTIONS	365.00	0.50

Culvert / Cross-Drainage details

Distance to Culvert from Road Start(m)	Type of Culvert	Other Culvert	Length/Span according to road width (m)	Width (m)
	Others	CONSTRUCTION WITH SSM & COVERED RCC SLABS	5.50	1.20
	Others	CONSTRUCTION WITH SSM & COVERED RCC SLABS	5.50	1.20
	Others	CONSTRUCTION WITH SSM & COVERED RCC SLABS	5.50	1.20
	Others	CONSTRUCTION WITH SSM & COVERED RCC SLABS	5.50	1.20

Existing Services

BESCOM	YES	**BWSSB**	YES
OFC		**Manholes**	YES
Others			

Zone: YELAHANKA **Ward No:** 11 **Ward Name:** Kuvempu Nagar **Street ID:** W0450

Date: 18/04/2020 Time: 17:10:36

Assistant Executive Engineer
Yelahanka Sub Division
BBMP, Bangalore - 97

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Bruhat Bangalore Mahanagara Palike

BBMP ENGINEERING DEPARTMENT

Road Inventory Form

General

Zone	Ward No.	Ward Name
YELAHANKA	11	Kuvempu Nagar
Street ID	**Street Name**	**Significant Landmark**
W0440	NA	VALMIKI NAGAR
Unique Road No.	**Length of full Road(m)**	
11-W0440-13651	276	

Road Details

Road From	Road To
W0621	DEAD END
Type of Road	**Other Road Type**
Local	

Chainage at point (m)	Measured Width (m)	Existing Surface	Other Existing Surface	Remarks
0.00	5.30			
90.00	5.30			
90.00	4.60			
190.00	4.60			
190.00	4.60		MUD	VARIOUS
315.00	4.60		MUD	VARIOUS

Footpath

☐ Left

chainage at the point(m)	Type of Footpath	Other Footpath Type	Length (m)	Average Width(m)	No of Shoulder Drain	Kerb Chainages (m)	Remarks
	No Footpath		0.00000	0.00000	0	0.00000	

☐ Right

chainage at the point(m)	Type of Footpath	Other Footpath Type	Length (m)	Average Width(m)	No of Shoulder Drain	Kerb Chainages (m)	Remarks
	No Footpath		0.00000	0.00000	0	0.00000	

Assistant Executive Engineer
Jyaranyapura Sub Division
BBMP, Bangalore-97

Drain

Particulars of side Drains

☐ Left

Drain Type	Other Drain Type	Construction Type	Other Construction Type	Flow Direction
Open		Others		Others

Other Flow Direction Type	Length (m)	Average Width(m)
BOTH DIRECTIONS	314.00	0.50

☐ Right

Drain Type	Other Drain Type	Construction Type	Other Construction Type	Flow Direction
Open		Others		Others

Other Flow Direction Type	Length (m)	Average Width(m)
BOTH DIRECTIONS	314.00	0.50

Culvert / Cross-Drainage details

Distance to Culvert from Road Start(m)	Type of Culvert	Other Culvert	Length/Span according to road width (m)	Width (m)
	Others	CONSTRUCTION WITH SSM & COVERED RCC SLABS	5.30	1.20
	Others	CONSTRUCTION WITH SSM & COVERED RCC SLABS	5.30	1.20

Existing Services

BESCOM	YES	**BWSSB**	YES
OFC		**Manholes**	YES
Others			

BRUHAT BANGALORE MAHANAGARA PALIKE